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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/202,107	03/08/1999	EIJI MURAMATSU	9319S-000082	2484

7590 02/27/2002  
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EXAMINER

NGUYEN, DUNG T

ART UNIT PAPER NUMBER

2871

DATE MAILED: 02/27/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.  
09/202,107

Applicant(s)

Muramatsu

Examiner

Dung Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on Feb 4, 2002
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 13-30 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 13-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some\* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_
- 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

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## DETAILED ACTION

### *Continued Prosecution Application*

1. The request filed on 02/04/2002 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/202,107 is acceptable and a CPA has been established. An action on the CPA follows.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 5, 13, 17-18, 20-21 and 26 stand rejected under 35 U.S.C. 102(b) as being anticipated by Applicants submitted prior art, Kamakura, JP 52-27398 , as stated in the final office action.

The above claims are anticipated by Kamakura's figure 1 which disclose a display unit comprising:

- . a substrate (1 or 2);
- . an alignment layer inherently formed on the substrate;

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. a rub resistance (4) disposed on a peripheral circuit of the substrate (2) to change a voltage;

. a first sealant member inherently formed between two substrates (1 and 2) to bond two substrates to each other.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 3-4, 15-16 and 25 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Applicants submitted prior art, Kamakura, JP 52-27398, as stated in the final rejection.

Regarding claims 3-4 and 15, Kamakura discloses the claimed invention as described above except for a based material of the resistance (i.e., ITO). One of ordinary skill in the art would have realized desired to form a resistance having a same material as that of electrodes of a display unit. Therefore, it would have obvious to one skill in the art at the time of the invention was made to form the Kamakura's resistance having the same material as that of electrodes of the display unit because such process reduces the manufacturing cost of the LCD device since only a single process is needed to form both a resistance and electrodes.

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Regarding claim 16, although Kamakura do not disclose the resistance can be controlled by a pattern of the resistance, it would have been obvious to one having ordinary skill in the art at the time the invention was made to control the resistance by a pattern of the resistance since the examiner takes Official Notice of the equivalent of changing the resistance value by moving a slide contact (i.e., potentiometer) or laser (i.e., resistance pattern) for their use in the electric circuit art and the selection of any of these known equivalents to adjust the value of the resistance would be within the level of ordinary skill in the art.

6. Claims 2,8-9, 13, 19, 22-24 and 27-30 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Applicants submitted prior art, Kamakura, JP 52-27398, in view of Nonomura et al., US Patent No. 4,385,292 , as stated in the final office action.

Regarding claims 2, 8-9, 13 and 19, Kamakura discloses the claimed invention as described above except for a driving IC directly mounted on the substrate of the display unit and a second sealant member formed outboard of the peripheral circuit. Nonomura et al. do disclose a driving IC (thin film) and a second sealant member (63) directly forming on one of a pair of the substrates (51, 61) of the display unit (figure 9). Therefore, it would have obvious to one skill in the art at the time of the invention was made to modify the Kamakura's unit having a driving IC which directly disposed on a substrate of the display unit as well as an outboard sealing which surrounded the driving IC as shown by Nonomura et al. in order to reduce a number of a connection as well as to protect a peripheral circuit in a display unit (see col. 9).

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***Remarks***

An unofficial proposed amendment sent on 12/04/2001 for the interview (12/06/2001) has not been entered. Therefore, all claims are drawn to the same invention claimed in the parent application (i.e, amendment dated 08/27/2001).

***Conclusion***

7. All claims are drawn to the same invention claimed in the parent application prior to the filing of this Continued Prosecution Application under 37 CFR 1.53(d) and could have been finally rejected on the grounds and art of record in the next Office action. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action after the filing under 37 CFR 1.53(d). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Dung Nguyen whose telephone number is (703) 305-0423. The fax phone number for this Group is (703) 308-7722.

Any information of a general nature or relating to the status of this application should be directed to the group receptionist whose telephone number is (703) 308-0956.

DN  
02/22/2002

  
William L. Sikes  
Supervisory Patent Examiner  
Group 2871